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### 1 [Automated resolution of semantic heterogeneity in multidatabases](#)



M. W. Bright, A. R. Hurson, S. Pakzad

June 1994 **ACM Transactions on Database Systems (TODS)**, Volume 19 Issue 2

Publisher: ACM Press

Full text available: [pdf\(2.84 MB\)](#)
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A multidatabase system provides integrated access to heterogeneous, autonomous local databases in a distributed system. An important problem in current multidatabase systems is identification of semantically similar data in different local databases. The Summary Schemas Model (SSM) is proposed as an extension to multidatabase systems to aid in semantic identification. The SSM uses a global data structure to abstract the information available in a multidatabase system. This abstracted form a ...

**Keywords:** federated database, imprecise queries, multidatabase, schemas, semantic heterogeneity

### 2 [PPFS: a high performance portable parallel file system](#)



James V. Huber, Andrew A. Chien, Christopher L. Elford, David S. Blumenthal, Daniel A. Reed

July 1995 **Proceedings of the 9th international conference on Supercomputing**

Publisher: ACM Press

Full text available: [pdf\(995.62 KB\)](#)
 Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

### 3 [Advanced data processing in KRISYS: modeling concepts, implementation techniques, and client/server issues](#)

Stefan DeBloch, Theo Härder, Nelson Mattos, Bernhard Mitschang, Joachim Thomas

May 1998 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 7 Issue 2

Publisher: Springer-Verlag New York, Inc.

Full text available: [pdf\(210.27 KB\)](#)
 Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

The increasing power of modern computers is steadily opening up new application domains for advanced data processing such as engineering and knowledge-based applications. To meet their requirements, concepts for advanced data management have been investigated during the last decade, especially in the field of object orientation. Over the last couple of years, the database group at the University of Kaiserslautern has been developing such an advanced database system, the KRISYS prototype. In this ...

**Keywords:** Client/server architectures, Consistency control, Object-oriented modeling

concepts, Query processing, Run-time optimization

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